CONTENTS OF *FOREST ECOLOGY AND MANAGEMENT* VOLUME 23

VOL. 23 NO. 1 JANUARY 1988

Soil factors influencing yields of *Eucalyptus camaldulensis* on former tin-mining land in the Jos Plateau region, Nigeria
G.P. Buckley (Ashford, Great Britain) 1
Soil nitrogen turnover is altered by herbicide treatment in a north Carolina piedmont forest soil
S.W. Andariese (Flagstaff, Ariz., U.S.A.) and P.M. Vitousek (Stanford, Calif., U.S.A.) 19
Water relations characteristics of competing singleleaf pinyon seedlings and sagebrush nurse plants
E.P. Drivas and R.L. Everett (Reno, Nev., U.S.A.) 27
Promotion of cone production on white spruce grafts by gibberellin $A_{4/7}$ application
R.H. Ho (Maple, Ont., Canada) 39
Niche analysis and tree species introduction
T.H. Booth, H.A. Nix, M.F. Hutchinson and T. Jovanovic (Canberra, A.C.T., Australia) 47
Site index equations for white spruce in the Northwest Territories, Canada
I.S. Alemdag (Chalk River, Ont., Canada) 61

Short Communication
Where have all the *Ceibas* gone? A case history of mismanagement of a tropical forest resource
A.H. Gentry (St. Louis, Mo, U.S.A.) and R. Vasquez (Iquitos, Peru) 73

Book Reviews
Acidification and policy 77
Soil resources surveys 78

Guide for Authors 79

Announcements 84

VOL. 23 NOS. 2/3 FEBRUARY 1988

Growth responses of trees and understorey to applied nitrogen and phosphorus in karri (*Eucalyptus diversicolor*) forest
T.S. Grove (Wembley, W.A., Australia) 87
Organic matter and nutrients in the forest floor of a *Pinus elliottii* plantation and some effects of prescribed burning and superphosphate addition
J. Maggs (Atherton, Qld., Australia) 105
Ecological and simulation studies of the response of *Miconia albicans* and *Clidemia sericea* populations to prescribed burning
K. Miyanishi and M. Kellman (Downsview, Ont., Canada) 121
Using ordination to analyze the composition and structure of urban forest islands
E. Hobbs (St. Paul, Minn., U.S.A..) 139

An integrated system of forest stand models
R.F. Daniels (Summerville, SC, U.S.A.) and H.E. Burkhart (Blacksburg, Va, U.S.A.).....159
An analytical review of production rates and stemwood biomass of tropical forest plantations
A.E. Lugo (Rio Piedras, Puerto Rico), S. Brown (Urbana, Ill, U.S.A.) and J. Chapman (San Juan, Puerto Rico).....179
Above-ground production in cleared and thinned stands of semiarid tropical woodland, Brazil
W.H. Schacht, J.N. Long and J.C. Malechek (Logan, Utah, U.S.A.).....201
Tropical deforestation and remote sensing
N. Myers (Oxford, Great Britain).....215

Short Communication
Species diversity in young Douglas-fir plantations compared to old growth
B.F. Swindel and L.R. Grosenbaugh (Gainesville, Fla, U.S.A.).....227

VOL. 23 NO. 4 MARCH 1988

Soil nitrogen mineralization under a *Eucalyptus* plantation and a natural *Acacia* forest in Senegal
F. Bernhard-Reversat (Pointe-Noire, Congo).....233
Soil factors and growth of *Gmelina arborea* in Omo Forest Reserve
E.O. Chijioke (Owerri, Nigeria).....245
Spacing effcts in an unthinned 11-year-old *Terminalia superba* plantation in the dry lowland rainforest area of Nigeria
J.A. Okojie (Ibadan, Nigeria) R.L. Bailey and B.E. Borders (Athens, GA, U.S.A.).....253
Grotwh of *Eucalyptus tereticornis* and *Pinus caribaea* at different sites in northern Nigeria
J.O. Adegbehin (Port Harcourt, Nigeria), J.A. Okojie and S. Nokoe (Ibadan, Nigeria).....261
Inhibition of black spruce seedling growth by forest-floor substrates of central Newfoundland
A.U. Mallik and P.F. Newtron (St. John's, Nfld., Canada).....273
Testing cost-sharing techniques on a multiple-use timber sale
D. Rideout and J.E. Wagner (Fort Collins, CO, U.S.A.).....285
Measuring the effectiveness of public forestry assistance programs
R.G. Boyd (Madison, WI, U.S.A.), B.J. Daniels (Durham, NC, U.S.A.), R. Fallon (Madison, WI, U.S.A.) and W.F. Hyde (Durham, NC, U.S.A.).....297

Book Reviews
Tropical moist forest management.....311
Conifer forest vegetation.....312
Wetland cedar.....314

Author Index.....315

Subject Index.....317

Announcements.....321

Request for Assistance.....322

Contents of *Forest Ecology and Management* Vol. 23.....323